

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): E. David Neufeld et al.

Confirmation No.:

Application No.:

Examiner:

Filing Date: Herewith

Group Art Unit:

Title: Method and Apparatus to Reduce Memory Consumption for System Security in a Process-Based System

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e)(1) or (2), and
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00 . At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EV 173 541 676 US

Date of Deposit **08-01-2003**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By

Typed Name: **Helen Tinsley**

Respectfully submitted,

E. David Neufeld et al.

By

Michael G. Fletcher

Attorney/Agent for Applicant(s)
Reg. No. **32,777**

Date: **August 1, 2003**

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 200302368-1	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT E. David Neufeld et al.		
	FILING DATE Her with	GROUP	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	6,502,203 B2	12/31/02	Barron et al.	
	1B	6,467,048 B1	10/15/02	Olarig et al.	
	1C	6,463,495 B1	10/08/02	Angelo et al.	
	1D	6,460,121 B1	10/01/02	Bonola	
	1E	6,477,648 B1	11/15/02	Schell et al.	
	1F	6,470,443 B1	10/22/02	Emer et al.	
	1G	6,442,631 B1	08/27/02	Neufeld et al.	
	1H	6,418,533 B2	07/09/02	Angelo et al.	
	1I	6,401,208 B2	06/04/02	Davis et al.	
	1J	6,400,823 B1	06/04/02	Angelo	
	1K	6,370,649 B1	04/09/02	Angelo et al.	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	Angelo et al., "Method and Apparatus to Provide Enhanced Computer Protection," Application Serial No. 09/540,697, filed March 31, 2000
	1R	Angelo et al., "Method and Apparatus for Providing Enhanced Computer Security," Application Serial No. 09/540,812, filed March 31, 2000
	1S	Angelo et al., "Computer System Having Security Features," Application Serial No. 09/540,811, filed March 31, 2000

EXAMINER

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A	6,363,449 B1	03/26/02	Sides et al.	
	2B	6,330,674 B1	12/11/01	Angelo et al.	
	2C	6,311,273 B1	10/30/01	Helbig, Sr. et al.	
	2D	6,308,265 B1	10/23/01	Miller	
	2E	6,298,411 B1	10/02/01	Giacalone	
	2F	6,288,843 B1	09/11/01	Angelo et al.	
	2G	6,263,431 B1	07/17/01	Lovelace	
	2H	6,199,167 B1	03/06/01	Heinrich et al.	
	2I	6,182,892 B1	02/06/01	Angelo et al.	
	2J	6,178,167 B1	01/23/01	Fraser	
	2K	6,167,538	12/26/00	Neufeld et al.	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L					
	2M					
	2N					
	2O					
	2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	Neufeld, E. David, "Method and Apparatus for Preserving the Integrity of a Management Subsystem Environment," Application Serial No. 09/967,268, filed September 28, 2001
	2R	Neufeld, et al., "Method and Apparatus for Generating a Strong Random Number for Use in a Security Subsystem for a Processor-Based Device," Application Serial No. 09/966,890, filed September 28, 2001
	2S	Brown et al., "Method and Apparatus for Preserving a Strong Random Number Across Battery Replacement in a Security Subsystem," Application Serial No. 10/037,511, filed January 4, 2002

EXAMINER

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EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	3A	6,134,591	10/17/00	Nickles	
	3B	6,131,174	10/10/00	Fischer et al.	
	3C	6,125,446	09/26/00	Olarig et al.	
	3D	6,119,228	09/12/00	Angelo et al.	
	3E	6,118,589	09/12/00	Angelo et al.	
	3F	6,116,509	09/12/00	Angelo et al.	
	3G	6,085,299	07/04/00	Angelo et al.	
	3H	6,061,794	05/09/00	Angelo et al.	
	3I	6,057,965	05/02/00	Angelo et al.	
	3J	6,032,257	02/29/00	Olarig et al.	
	3K	6,026,016	02/15/00	Gafken	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	3L					
	3M					
	3N					
	3O					
	3P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	3Q	Frantz et al., "Method and Apparatus for Initiating Strong Encryption Using Existing SSL Connection for Secure Key Exchange," Application Serial No. 10/037,491, filed January 4, 2002
	3R	Reeves et al., "Virtual Media from a Directory Service," Application Serial No. 10/038,239, filed January 4, 2002
	3S	Reeves et al., "Method and Apparatus for Increasing the Functionality and Ease of Use of Lights Out Management in a Directory Enabled Environment," Application Serial No. 10/037,684, filed January 4, 2002

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EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	4A	6,009,524	12/28/99	Olarig et al.	
	4B	6,003,144	12/14/99	Neufeld	
	4C	5,974,438	10/26/99	Neufeld	
	4D	5,974,250	10/26/99	Angelo et al.	
	4E	5,848,418	12/08/98	de Souza et al.	
	4F	5,844,986	12/01/98	Davis	
	4G	5,822,184	10/13/98	Rabinovitz	
	4H	5,778,070	07/07/98	Mattison	
	4I	5,748,940	05/05/98	Angelo et al.	
	4J	5,748,888	05/05/98	Angelo et al.	
	4K	5,737,744	04/07/98	Callison et al.	

FOREIGN PATENT DOCUMENTS

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	4L					
	4M					
	4N					
	4O					
	4P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	4Q	Frantz et al., "Method and for Identifying the Write Protect Status of a Diskette," Application Serial No. 10/043,478, filed January 10, 2002
	4R	Angelo et al., "Method and Apparatus for Using a MAC Address as a Unique Machine Parameters to Identify Equipment," Application Serial No. 10/184,146, filed June 28, 2002
	4S	Angelo et al., "Compact Mounting of Chip Card Reader at Front of Computer Device Bay Area," Application Serial No. 09/115,068

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	5A	5,668,971	09/16/97	Neufeld	
	5B	5,592,648	01/07/97	Schultz et al.	
	5C	5,522,065	05/28/96	Neufeld	
	5D	5,490,342	02/13/96	Rutterman et al.	
	5E	5,408,644	04/18/95	Schneider et al.	
	5F	5,440,716	08/08/95	Schultz et al.	
	5G	5,363,273	11/08/94	Ma	
	5H	5,331,646	07/19/94	Krueger et al.	
	5I	5,271,152	12/21/93	Murphy	
	5J	5,249,279	09/28/93	Schmenk et al.	
	5K	5,227,954	07/13/93	Twigg	

FOREIGN PATENT DOCUMENTS

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	6A	5,224,019	06/29/93	Wong et al.	
	6B	5,175,670	12/29/92	Wang	
	6C	5,159,533	10/27/92	Kuang	
	6D	5,101,492	03/31/92	Schultz et al.	
	6E	5,850,559	12/15/98	Angelo et al.	
	6F	5,960,084	09/28/99	Angelo	
	6G	5,955,722	09/21/99	Kurz et al.	
	6H	5,953,422	09/14/99	Angelo et al.	
	6I	5,949,882	09/07/99	Angelo	
	6J	5,944,821	08/31/99	Angelo	
	6K	5,923,754	07/13/99	Angelo	

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	7A	5,892,906	04/06/99	Chou et al.	
	7B	5,887,131	03/23/99	Angelo	
	7C	5,859,911	01/12/99	Angelo et al.	
	7D				
	7E				
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